

DKK3 Polyclonal Antibody

Catalog number: 10365-1-AP

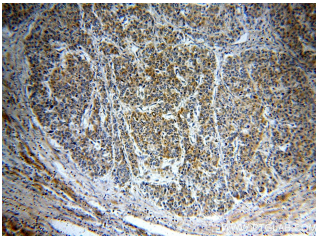
Size: 59 µg/150 µl

Source: Rabbit

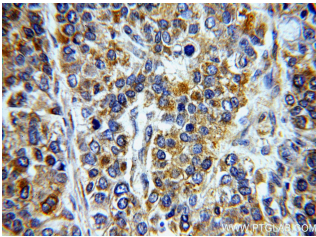
Isotype: IgG

Synonyms:

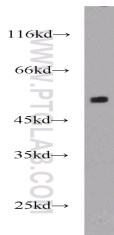
DKK3; Dickkopf 3, Dickkopf related protein 3, Dkk 3, DKK3, hDkk 3, REIC, RIG



Immunohistochemical of paraffin-embedded human liver cancer using 10365-1-AP(DKK3 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human liver cancer using 10365-1-AP(DKK3 antibody) at dilution of 1:50 (under 40x lens)



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10365-1-AP(DKK3 antibody) at dilution of 1:500

Background

DKK3, also named as REIC, belongs to the dickkopf family. It antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by forming a ternary complex with the transmembrane protein KREMEN that promotes internalization of LRP5/6. DKKs play an important role in vertebrate development, where they locally inhibit Wnt regulated processes such as antero-posterior axial patterning, limb development, somitogenesis and eye formation. In the adult, Dkks are implicated in bone formation and bone disease, cancer and Alzheimer's disease. The adenovirus carrying REIC/Dkk-3 (Ad-REIC) exhibits a potent tumor-specific cell-killing function for various human cancers. It has also become evident that some human cancers are resistant to Ad-REIC-induced apoptosis. The DKK3 is a Glycosylation protein with MW about 55 kDa or 38-43 kDa.

Applications

Tested applications:	ELISA, WB, IHC, FC, IF
Cited applications:	IHC, WB
Species specificity:	Human, Mouse; other species not tested.
Cited species:	Canine, human
Calculated DKK3 MW:	38 kDa
Observed DKK3 MW:	55 kDa
Positive WB detected in	Mouse brain tissue, human brain tissue, Transfected HEK-293 cells
Positive IHC detected in	Human liver cancer tissue, mouse brain tissue
Positive IF detected in	SH-SY5Y cells
Positive FC detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:20-1:200 FC: N/A

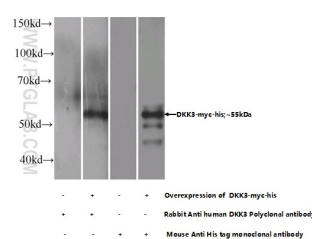
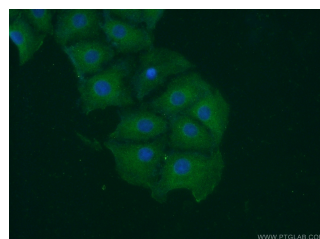
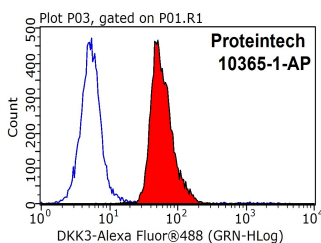
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag0417
GenBank accession number:	BC007660
Gene ID (NCBI):	27122
Full name:	Dickkopf homolog 3 (Xenopus laevis)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



1X10⁶ HepG2 cells were stained with 0.2ug DKK3 antibody (10365-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.

Immunofluorescent analysis of SH-SY5Y cells using 10365-1-AP(DKK3 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

Transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 10365-1-AP(DKK3 Antibody) at dilution of 1:1000